

ABSTRACT

Disclosed are dust suppressant and aggregate stabilization compositions. In accordance with the subject disclosure, hemicellulose is used as a dust suppressant and/or as a stabilization composition for aggregates such as a road bed or soil field. Other ingredients may be used in a composition in conjunction with hemicellulose. For instance, a lignin compound may be used to enhance dust suppression and/or aggregate stabilization. A surfactant may be used to decrease the viscosity of the composition. A crosslinking agent may be used to enhance the water resistance of the composition. A chloride salt may be added to increase the hygroscopicity of the composition.